

**IN THE UNITED STATES DESIGNATED/ELECTED OFFICE**

International Application No. : PCT/EP00/04632  
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Priority Date(s) Claimed : 11 AUGUST 1999  
Applicant(s) (DO/EO/US) : MARCHAND, Jacqueline, et al.

Title: METHODS FOR PREPARING PERFLUORINATED [<sup>18</sup>F]-RADIOLABELLED NITROIMIDAZOLE DERIVATIVES FOR CELLULAR HYPOXIA DETECTION

**SUPPLEMENTAL PRELIMINARY AMENDMENT**

Commissioner for Patents  
Washington, D.C. 20231

SIR:

Prior to calculating the national fee, and prior to examination in the National Phase of the above-identified International application, please amend as follows:

**IN THE CLAIMS:**

3. (Amended) A compound according to claim 1 having the formula 2-(2-nitro-1H-imidazol-1-yl)-N-(3,3,3-trifluoropropyl) acetamide ([<sup>18</sup>F]-EF2).
4. (Amended) A compound according to claim 1 having the formula 2-(2-nitro-1H-imidazol-1-yl)-N-(2,2,3,3,3-pentafluoropropyl) acetamide ([<sup>18</sup>F]-EF5).
5. (Amended) A method for the synthesis of a compound according to claim 1, comprising the step of coupling 2-(2-nitro-imidazol-1-yl) acetic acid with a [<sup>18</sup>F]-labeled perfluoroalkyl amine derivative.